

Claims

- Sub
A6
- 004260-04060
1. Method for transferring data between a secure computer (1), e.g. an error-protected stored-program control (1), and a number of input/output units (2 to 4) via a bus control unit (6) connected to the secure computer (1) and a serial bus system (5), in which the bus control unit (6) cyclically activates the input/output units (2 to 4) connected to the bus system (5) and transfers a multi-bit message (8) to the respective activated input/output unit (e.g. 4), characterized in that
- at least one of the input/output units (4) is designed as a security unit (4),
 - 15 - the multi-bit message (8) transferred to the security unit (4) has at least one checkbit, and
 - the security unit (4) interprets the transferred multi-bit message (8) as correct only if the checkbit alternates within a predefined monitoring period.
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2. Data transfer method according to claim 1, characterized in that
- the security unit (4) is designed as an output unit for activating an output (10),
 - 25 - has a timer (13) which, at the end of the monitoring period, switches the output (10) to a secure condition,
 - the timer (13) is reset with each transfer of a
- 30 correct multi-bit message (8).

